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U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>	Attorney Docket No.	ICC-102.2 DV II (91645)
	First Inventor	Ashley J. Birkett
	Title	IMMUNOGENIC HBc CHIMER PARTICLES...
	Express Mail Label	EV337100433US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P. O. Box 1450 Alexandria VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input checked="" type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [Total Pages 215] (preferred arrangement set forth below) <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 	a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> Paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 10]	ACCOMPANYING APPLICATION PARTS
5. Oath or Declaration [Total Pages 1] <ul style="list-style-type: none"> a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) <ul style="list-style-type: none"> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 	
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input checked="" type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: See Data	

Prior application information: Examiner **Donna C. wortman** Group / Art Unit: **1648**
 For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number: _____ or <input checked="" type="checkbox"/> Correspondence address below					
Name	Edward P. Gamson, Esq. WELSH & KATZ, LTD.				
Address	120 South Riverside Plaza 22nd Floor				
City	Chicago	State	Illinois	Zip Code	60606
Country	Cook	Telephone	(312) 655-1500	Fax	(312) 655-1501

Name (Print/Type)	Edward P. Gamson, Esq.	Registration No. (Attorney/Agent)	29,381
Signature	<i>Edward P. Gamson</i>	Date	3/22/04

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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22581 U.S. PTO
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**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** **\$385.00****Complete if Known**

Application Number	Unknown
Filing Date	March 22, 2004
First Named Inventor	Ashley J. Birkett
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	ICC-102.2 DV II (91645)

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit
Account
Number**23-0920**Deposit
Account
Name**WELSH & KATZ, LTD.**

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) \$385.00

2. EXTRA CLAIM FEES FOR UTILITY AND

Extra Claims		Fee from below	Fee Paid
Total Claims	12 - 20** = 0	X 19.00 =	0.00
Independent Claims	0 - 3** = 0	X 43.00 =	0.00
Multiple Dependent			

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$) \$0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non - English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR § 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Statement	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)****SUBMITTED BY**Name (Print/Type) **Edward P. Gamson, Esq.**Registration No.
(Attorney/Agent)**29,381**

Telephone

(312) 655-1500

Signature



Date

03/22/04**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on**

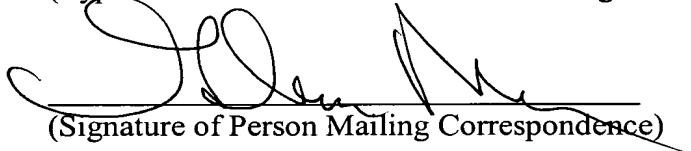
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CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)			Docket No. (4564/91645) ICC-102.2 DV II
Applicant(s): Ashley J. Birkett			
Serial No. Unknown	Filing Date March 22, 2004	Prior Examiner D.C. Wortman	Prior Group Art Unit: 1648
<p>Title: IMMUNOGENIC HBc CHIMER PARTICLES HAVING ENHANCED STABILITY Fee Transmittal for FY 2004 (1pg), Utility Patent Application Transmittal (1pg), Preliminary Amendment with Cert. of Express Mailing (8pgs); Application Data Sheet (4pgs), Prior Declaration and Power of Attorney document (2pgs), Prior Assignment and Recordation Cover Sheet (4pgs), Prior Information Disclosure Statement & PTO Form 1449 (6pg), Patent Application including Specification, 115 claims and abstract (215pgs), 10 sheet of formal drawings (Figs. 1-9), Statement Under 37 CFR §1.821(f) with Cert of Express Mail (3pgs), Substitute Sequence List (75pgs); Computer readable disk with Sequence List and Check No. 086371 in the amount of \$385.00 for 12 claims, and Return Postcard.</p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-0001 on March 22, 2004.</p>			

Glen Marsa

(Typed or Printed Name of Person Mailing Correspondence)



(Signature of Person Mailing Correspondence)

EV337100433US

("Express Mail" Mailing Label Number)

New Divisional Application -3-
of Appln Serial No. 09/930,915

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Sequence Listing Statement of Identity, together with a paper copy of the Sequence Listing and Computer Readable Form diskette, Transmittal Letter and its stated enclosures and Patent Application and its stated enclosures and Fee, and Preliminary Amendment, are being deposited with the United States Postal Service as Express Mail Label No. **EV337100433US**, postage prepaid in an envelope addressed to Mail Stop: PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 22, 2004.

A handwritten signature in black ink, appearing to be "J. D. Smith", written over a horizontal line.

Divisional Application
of Serial No.: 09/930,915

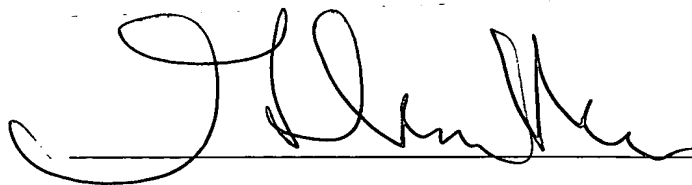
-8-

Enclosures

Application Data Sheet
Transmittal Letter
Fee Transmittal Sheet
Cert. of Express Mailing page
Previously filed Patent Application & Drawings
Previously filed Declaration and Power of Attorney
Previously filed Recorded Assignment and Cover Sheet
Computer Readable Disk
Substitute Sequence Listing
Statement Under 37 CFR § 1.821(f)
Application Fee

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this Preliminary Amendment and its stated enclosures, including Patent Application Transmittal Letter and its stated enclosures, Patent Application and filing fee are being deposited with the United States Postal Service as Express Mail Label No. EV337100433US, postage prepaid in an envelope addressed to: Mail Stop: PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 22, 2004.

A handwritten signature in black ink, appearing to read "J. H. Hunter", is written over a horizontal line.